

Institutional frameworks for GM crops

Novel Foods:

Health Canada, Food Directorate

Novel Foods Section, Pre-market Toxicology Assessment Section, Nutrition Premarket Assessment Division, Food Contaminants Section

Novel Feeds:

CFIA, Animal Health Directorate

Biotechnology and Microbiology Section, Risk Analysis and Toxicology Section, Feed Evaluation and Nutrition Section

Plants with Novel Traits:

CFIA, Plant Health Science Directorate Plant Health and Biotechnology Risk Assessment Unit

CFIA, Plant Health and Biosecurity Directorate Plant Biosafety Office



- Health Canada conducts an assessment based on Codex Alimentarius Commission guidelines (i.e. Guideline for the Conduct of Food Safety Assessment of Foods Derived from Recombinant-DNA Plants, 2003)
- Our guidelines, Guidelines for the Safety Assessment of Novel Foods*, first published in 1994, updated in 2006
 - Includes guidance on the safety assessment conducted for novel foods derived from genetic modification

*http://www.hc-sc.gc.ca/fn-an/legislation/guide-ld/nf-an/guidelines-lignesdirectrices-eng.php





GM food safety assessment

- Food safety assessment consists of:
 - > Molecular characterization assessment
 - > Toxicological assessment
 - Nutritional assessment
 - > Chemical assessment (when applicable)
- Individual assessments assembled into a proposal document (i.e. Food Rulings Proposal) to be reviewed by executive-level committee (i.e. Food Rulings Committee) for final decision (i.e. 'no objection' letter)
- After approval, a Decision Document is drafted for publication on the Health Canada website*

*http://www.hc-sc.gc.ca/fn-an/gmf-agm/appro/index-eng.php





- CFIA and HC have a 'No-Split Approval' policy to coordinate approvals of food, feed, and environment simultaneously, avoiding asynchronous approval
- The food, feed and environmental decision making process remain independant but they are coordinated informally.
 - > By email
 - > By phone



GM food safety assessment







Data contribution to the Platform



- Country status in the Platform:
 - > 2 Focal Points (Mr. Luc Bourbonnière and Ms. Annie Savoie)
 - > Country profile filled out
 - > Risk assessment data shared (89 records)
 - > Link created



Value of the platform

- Increases transparency, allows countries a venue to place their regulatory decisions online
- For countries facing a Low Level Presence (LLP) issue, the Platform serves as a resource to review safety assessments conducted by other countries (including origin of LLP source)



Possible FAO's roles on the topic

- Agriculture and Agri-Food Canada (AAFC) is developing a Canadian policy model on LLP. Policy model expected to be released soon.
- Objectives: stimulate domestic and international discussions on pragmatic and effective ways to manage LLP in imports.
- Decision on implementation at a later stage. Outstanding technical issues remained to be addressed.
- The Platform will provide valuable intelligence about GM crops approved in other countries and safety assessments performed.

Canada